



Special Session on Electrical grid reliability, weakness and resilience: contribution of renewable energy

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The special session aims to bring together leading academic scientists, researchers and research scholars to exchange and share their experiences and research results about all aspects of renewable energy contribution for grid reliability and resilience. It also provides the opportunity for researchers, practitioners and customers to present and discuss the most recent innovations, trends, and concerns, practical challenges encountered and the solutions adopted in the field of Grid Performance and Reliability.

Topics within the scope of the conference include the following areas, but not limited to:

- Renewable (PV, wind, hydro, ...) power generation for the distribution and transmission grid
- Standards and Technical Requirements for Grid connection of renewable energy sources
- Challenges of the Cooperative prosumers in a deregulated electricity market
- Utility modeling, simulation, and analysis tools for grid performance
- Current and future grid infrastructure, aging and reinforcement
- Power grid vulnerability and weakness analysis techniques
- Network architecture and power source optimal location
- Large scale and self-consumption PV interconnection
- Cybersecurity issues for the bulk power system
- Grid planning, operations, and reliability
- Power quality, grid stability and safety
- Islanding application and operation
- Load forecasting and planning
- Electricity pricing and market
- Electrical grid modernization
- Rural Electrification

Organized and co-chaired by:

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Author's schedule: Deadline for papers submission
Notification of acceptance
Deadline for final manuscripts submission

June 31, 2018
July 30, 2018
September 2, 2018